

Cold Solvent Cleaners

Regulation 8, Rule 16 – Solvent Cleaning Operations

On September 16, 1998, Regulation 8, Rule 16 was amended. It sets the standards for operations where solvents are used to clean parts, equipment, products and machinery. The following summary outlines only the cold cleaning requirements of Regulation 8 Rule 16. For any other type of solvent cleaning, please refer directly to the regulation.

RULE SUMMARY – New Requirements

- ◆ Each facility is allowed a single cold cleaner provided annual solvent loss from that cold cleaner does not exceed 20 gallons per year. Additional cleaners must:
 - Use a cleaning solution containing not more than 50 g/l VOC; or,
 - Be permitted as an emission source according to BAAQMD Regulation 2, Rule 1: Permits
- ◆ Solvent cleaners using halogenated solvents (methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride and chloroform) are subject to the federal National Emission Standards for Hazard Air Pollutants (NESHAP.)
- ◆ The rule language has been clarified to specifically include certain types of solvent cleaners such as enclosed cleaners (closed-loop), solvent vapor dryers (IPA dryers) and spray gun cleaners.

RULE SUMMARY – General

◆ EXEMPTIONS FROM THE RULE:

- Use an emulsion or solution cleaner containing less than 1% VOC (lab sample)
- The cleaner has less than 1 gallon of solvent capacity or an evaporative area is less than 1 ft² (needs cover); un-heated only
- Use low volatility solvents with an initial boiling point less than 120 C (248 F) and IBP at least 100 C (180 F) above maximum operating temperature (only exempt from Sections 302.3, 302.5, 303.4, 501)

◆ OPERATING REQUIREMENTS:

- All equipment operated and maintained in proper working order
- Liquid solvent leaks repaired immediately or the equipment shutdown
- Solvent and waste solvent storage: stored or disposed of with no emissions to atmosphere
- Waste solvent residue must be disposed of properly (describe method)
- All covers must be in place unless to process work or perform maintenance
- A solid fluid stream, no spray atomization must be used. No splashing outside container unless using an approved

◆ COLD CLEANER REQUIREMENTS:

- Cleaned parts must be fully drained before removal from cleaner
- Solvent agitation must be by pump or mixer only (no air agitation)
- No cleaning of porous materials

◆ EQUIPMENT REQUIREMENTS:

- A container must be used for solvent and articles being cleaned
- Equipment must be covered or use an enclosed reservoir design
- Operating requirements must be posted

◆ MONITORING & RECORDS REQUIREMENTS

- Records must be kept on a quarterly basis and retained for two years
- Records must show type and total amount of make-up solvent per facility.



HOW CAN YOU GET MORE DETAILED INFORMATION?

◆ For more information regarding this rule:

- Internet website: **www.baaqmd.gov**
- **(415) 749-4990**
Permit applications and information
- **(415) 749-4999**
Compliance Assistance Information
- **(415) 749-4900**
For copies of regulation



For NESHAP Information

Call: USEPA – Compliance Assistance at
(415) 744-1500

ALTERNATIVES TO SOLVENT CLEANING

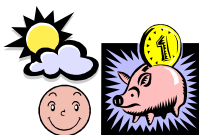
Call: USEPA – Pollution Prevention at
(415) 744-2153

IMPORTANT FACTS

Most ***used*** water based cleaners qualify as hazardous waste and require proper disposal by a registered hazardous waste hauler. Contact the Department of Toxic Substances Control at (510) 540-2122, for permitting and treatment of hazardous waste. Be aware, it is illegal to:

- dispose used water-based cleaners into storm drains, gutters, or the streets
- dispose water-based cleaners into the sewer system unless you have approval from your local sewage treatment agency. Contact the sewage agency in your area for wastewater discharge requirements.

WHAT ARE THE BENEFITS FOR YOU?



- Compliance with the rule means healthier air and a cleaner environment for all the people in the Bay Area
- Compliance can save you ***money***.
- Costly penalties for non-compliance can be avoided.

